

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough; and 2. added matter is shown by underlining.

1. (Currently Amended) A ~~[[M]]~~method for coordinating telecommunications services (2) provided to a plurality of users, by means of telecommunications terminals (3,4,5) connected to various telecommunications networks (1), wherein ~~which method includes steps in which a~~ service mediation server (10) coordinates the processing operations performed by various telecommunications services on behalf of each of the users, ~~characterised in that it also includes steps in which~~ including steps wherein:

- the telecommunications services (2) connect to the service mediation server (10) and specify events of which they must be notified by the service mediation server, and/or events that they are capable of transmitting to the service mediation server,

- the telecommunications terminals (3,4,5) of the users connect to the service mediation server and ~~[[I]]~~ transmit ~~[[,]]~~ to the service mediation server ~~[[,]]~~ user profiles specifying availability modes, which are stored in a database (18)and, activate profiles and previously specified availability modes, and access the connected services,

- the service mediation server determines a state of connectability of each user on the basis of the existence of at least one user terminal connected to the server, and the user's active availability mode and profile,

- the service mediation server transmits to each connected terminal the state of connectability of users specified in a list of contacts forming part of the active profile of the terminal user, and

- the service mediation server transmits, for each event received from a service, an event notification to the connected services having specified that they must be notified of the event.

2. (Currently Amended) A [[M]]method according to claim 1, ~~characterised in that~~ wherein each availability mode specified by a user includes:

- an availability state capable of having the values~~[[.]]~~ of available~~[[,]]~~ and not available, in call transfer to a specified call number ~~[[I]]~~ or an unknown number if the user does not want his/her availability state to be accessible,

- an optional terminal identifier to which an incoming call intended for the user is transferred,

- an event notification modet and

- a list of contacts to which the availability state applies.

3. (Currently Amended) A [[M]]method according to claim 2 ~~characterised in that~~ wherein each availability mode specified by a user also includes availability rules specifying periods in which the availability mode is active.

4. (Currently Amended) A ~~[[M]]~~method according to one of claim[[s]] 1 to 3, ~~characterised in that~~ wherein the connectability state not available or to the service determined by the service mediation server can be in one of the following states:

- connectable if the active availability mode of the user is in the available state and if at least one user terminal is connected to the service mediation server,

- not connectable if ~~the user is~~ if no user terminal is connected to the mediation server,
- access to the connectability state subject to authorisation if the user wants his/her connectability state to be provided to other users only with his/her prior authorisation,

- in transfer if the user specified that incoming calls intended for him/her must be transferred to a call number specified in the active availability mode, and

- unknown if the requested user is not registered with the service mediation server ~~[[I]]~~ or if he/she does not want his/her connectability state to be accessible.

5. (Currently Amended) A ~~[[M]]~~method according to ~~one of~~ claim[[s]] 1 to 4, ~~characterised in that~~ wherein the transmission of event notifications by the service mediation server is carried out upon the request of each connected service.

6. (Currently Amended) A ~~[[M]]~~method according to ~~one of~~ claim[[s]] 1 to 4, ~~characterised in that~~ wherein the transmission of an event notification by the service mediation server is

performed upon receipt of the event if the service is connected; otherwise, the event is stored in a log and is notified to the service when the latter connects to the service mediation server.

7. (Currently Amended) A ~~[[S]]~~server for mediation of telecommunications services provided to a plurality of users, by means of telecommunications terminals connected to various telecommunications networks, including a service coordination module (11) designed to coordinate the processing operations performed by the telecommunications services on behalf of each of the users, ~~characterised in that it also includes~~ comprising:

- at least one database (18) containing ~~all of the~~ user data ~~concerning the users which~~ is necessary for the service mediation server (10) and the services,

- an availability server (12) ~~designed~~ adapted to manage and determine at any time the availability of the users, according to active availability modes and rules, specified by the users and stored in the database,

- a service management module (16) designed to receive, from each service, an entry specifying events of which the services are to be notified and/or events transmitted by the service, and

- an event notification module (13) designed to receive and notify the appearance of events to telecommunications services that have requested it,

- the service coordination module (11) including means for determining a connectability state of each user for each of his/her profiles according to the existence of at least one user terminal connected to the server, and the user's active availability mode and profile, and means

for transmitting, to each connected terminal, the connectability state of users specified in a list of contacts forming part of an active profile of the terminal user.

8. (Currently Amended) A ~~[[S]]~~service mediation server according to claim 7, ~~characterised in that it also includes~~ including an authentication / identification module (15) responsible for identifying and authenticating the users when they access the service mediation server (10) or certain services.

9. (Currently Amended) A ~~[[S]]~~service mediation server according to claim 7 ~~or 8, characterised in that it also includes~~ including an interface module (14) providing access to the service mediation server (10) by means of a telecommunications network (1), which module is designed to receive processing requests, from services or users, and to retransmit them to a component of the server responsible for performing the requested processing operation, and transmitting, in response to these requests, the responses provided by the components of the server.

10. (Currently Amended) A ~~[[S]]~~service mediation server according to claim 9, ~~characterised in that~~ wherein the interface module (14) comprises a plurality of duplicated components so as to ensure fault tolerance.

11. (Currently Amended) A ~~[[S]]~~service mediation server according to one of claim ~~[[s]] 7 to 10,~~ ~~characterised in that it also includes~~ an access monitor (7) including:

- means for connecting a user terminal (3, 4, 5) to the mediation server (10) and disconnecting it from the server,
- means for connecting a service (2) to the mediation server (10) and disconnecting it from the server,
- means for managing, in real time, the various services activated for the user,
- means for selecting a profile to be activated and an availability mode in the profile to be activated, means for selecting events of which the user wants to be notified of the appearance, and
- means for selecting a terminal to receive an incoming call.

12. (Currently Amended) A [[C]] computer program designed to be implemented on a server for mediating telecommunications services provided to a plurality of users, by means of telecommunications terminals (3, 4, 5) connected to various telecommunications networks (1), ~~characterised in that it~~ to program includes instructions for implementing the steps of the method according to ~~one of claim~~[[s]] 1 ~~to 6~~, executed by the service mediation server.

13. (Currently Amended) A [[T]] telecommunications server (2) providing telecommunications services to a plurality of users, by means of telecommunications terminals (3, 4, 5) connected to various telecommunications networks (1), ~~characterised in that it includes~~ including:

- means for connecting to the service mediation server (10) according to ~~one of claim~~[[s]] 7 ~~to 11~~,

- means for specifying and transmitting, to the service mediation server, events of which it must be notified by the service mediation server, and/or events that it is capable of transmitting to the service mediation server, and

- means for receiving, from the service mediation server, event notifications coming from other telecommunications services and having been specified as being required to be notified to it.

14. (Currently Amended) A ~~[[C]]~~ computer program designed to be implemented on a telecommunications server (2) providing telecommunications services to a plurality of users, by means of telecommunications terminals (3, 4, 5) connected to various telecommunications networks (1), ~~characterised in that it includes~~ including instructions for implementing the steps of the method according to ~~one of claim~~ ~~[[s]] 1 to 6~~, executed by a telecommunications service.

15. (Currently Amended) An ~~[[I]]~~ information system including a plurality of telecommunications terminals (3, 4, 5) of users connected to various telecommunications networks (1), a plurality of servers (2) providing telecommunications services on behalf of the users, and a service mediation server (10) designed to coordinate the processing operations performed by the telecommunications services (2), ~~characterised in that~~ wherein the service mediation server (10) is consistent with one of claim ~~[[s]] 7 to 11~~.